

Installation Guide

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DEFINITIONS

CYMULATE AGENT

Cymulate uses a lightweight agent called Cymulate Agent to test corporate network security and communicate with the Cymulate Cloud. In this section, unless explicitly stated, the Cymulate Agent is commonly referred to as “Agent”.



CYMULATE CLOUD

Cymulate assessments are managed over the Cymulate Cloud, which provides an easy-to-use web user interface and can be accessed at:

<https://app.cymulate.com>

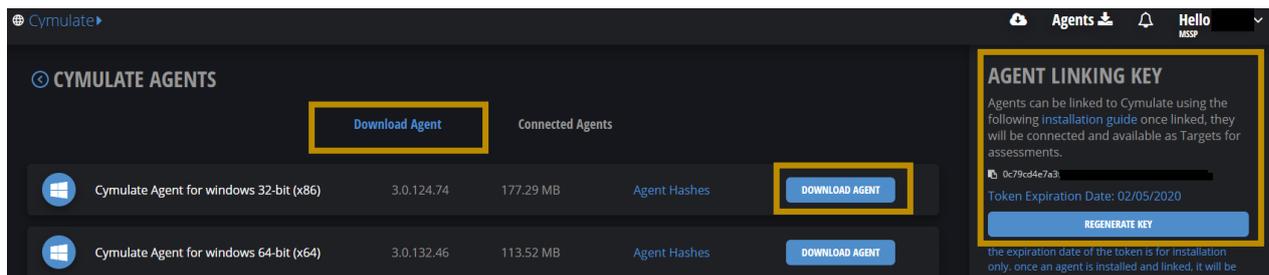


INSTALLING CYMULATE AGENT – Windows OS

LOGIN TO PLATFORM & DOWNLOAD THE AGENT

The Cymulate agent can be downloaded directly from Cymulate Cloud interface:

1. Open <https://app.cymulate.com> (Use **Google Chrome** for best experience)
2. Enter your credentials and click Login
3. Click on **Agents** appearing on the top right side of the screen and download the relevant agent.

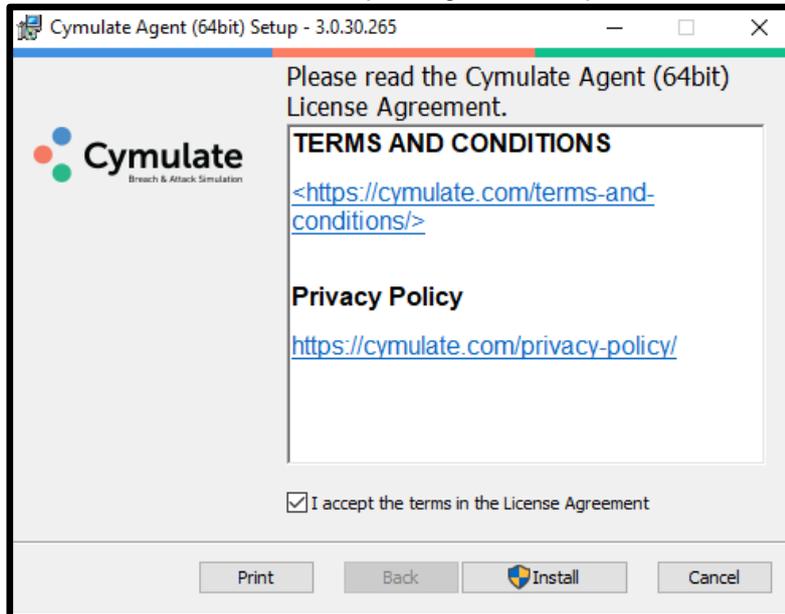


4. Write down your "Agent linking key", this key will be used to authenticate your agent.

INSTALLATION

Follow the setup wizard to complete installation.

Please note: **Local Admin** privileges are required in order to install the Agent.



**It is recommended to install Cymulate Agent on an instance of the organization's Windows golden image.*

COMMAND-LINE INSTALLATION:

You can use the command line interface to expedite the installation process by suppressing some or all of the dialog boxes that appear during a GUI installation. This becomes particularly useful when installing multiple instances of Cymulate agent.

When entering the command, use the following syntax:

`msiexec /i "CymulateAgentInstaller.msi" /q KEY=<your linking key>`

During installation, the following folders will be created:

- **C:\Program Files (x86)\Cymulate\Agent** (32-Bit Windows)
- **C:\Program Files\Cymulate\Agent** (64-Bit Windows)
- **C:\ProgramData\Cymulate** (internal resources folder)

RUNNING THE AGENT

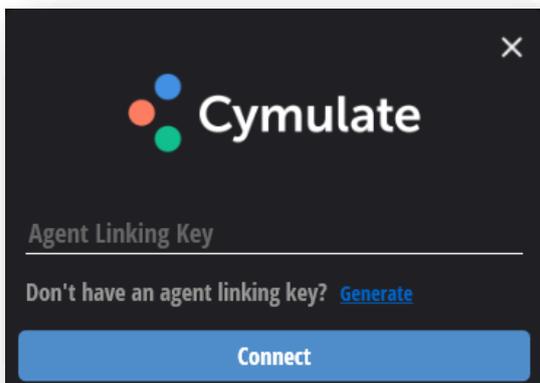
To start the agent, click on the Cymulate Agent shortcut created on desktop

*Agent should start automatically after installation is completed.



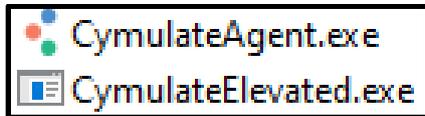
When starting Cymulate Agent for the first time, you'll be required to enter your Agent Linking key (**This process is required only once.**)

Enter your agent linking key that you saved from [step 3](#).

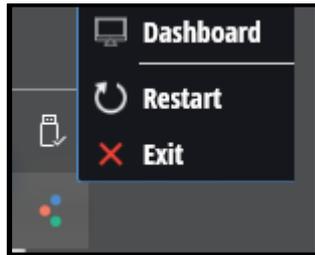


Check if Agent is running

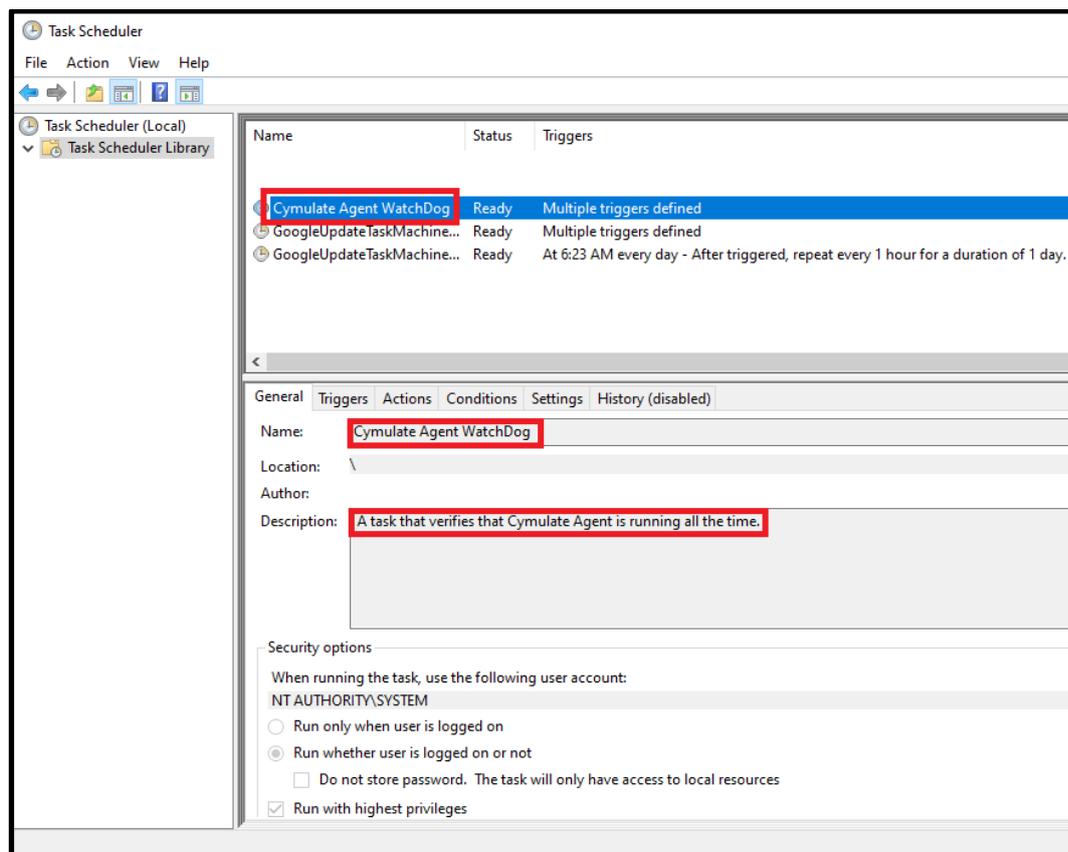
When the agent is up, the following processes should be run in the background:



In addition, the Agent icon will appear under system tray icons:



*During installation, a scheduled task, responsible for starting the Agent automatically, will be created. This task is scheduled to run in case the Agent is not running on the target workstation.

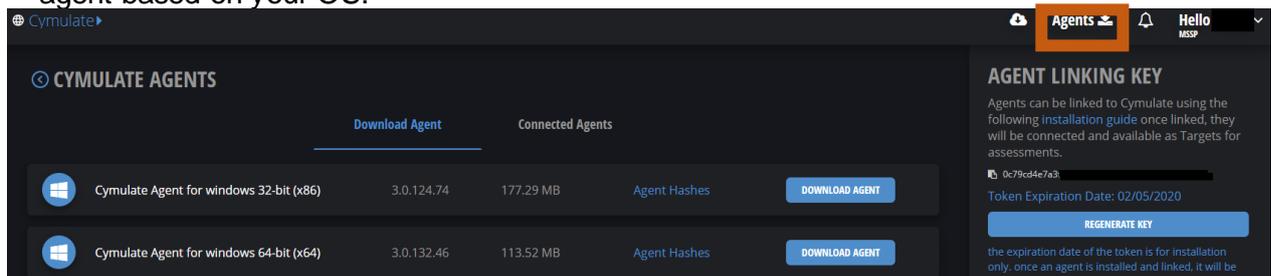


INSTALLING CYMULATE AGENT – Mac OS / Linux

LOGIN TO PLATFORM & DOWNLOAD THE AGENT

The Cymulate agent can be downloaded directly from Cymulate App:

1. Open <https://app.cymulate.com> (Use **Google Chrome** for best experience)
2. Enter your credentials and click Login
3. Click on **Agents** appearing on the top right side of the screen and download the relevant agent based on your OS.



4. Write down your "Agent linking key", this key will be used to authenticate your agent.

INSTALL DEPENDENCIES

You would need to install the following dependencies before running the Cymulate Agent installation process.

Mac OS:

First, install Homebrew by following instructions on the [Homebrew site](#). Homebrew is a free and open-source package management system that simplifies the installation of software on macOS. While installing Homebrew, you may be prompted to install additional missing dependencies; please follow any such instructions as well.

As soon as Homebrew is installed, you will be ready to start Cymulate Agent installation process:

1. brew install mono-libgdiplus
2. brew install cups

Linux (Red Hat, CentOS):

1. sudo yum update
2. sudo yum install libgdiplus
3. sudo yum install libicu
4. sudo yum install cups

Linux (Ubuntu, Debian):

1. sudo apt-get update -y
2. sudo apt-get install libgdiplus
3. sudo apt-get install cups

INSTALLATION

Follow the steps:

Please note: **Root** privileges are required in order to install the Agent.

1. Unzip the downloaded "CymulateAgentInstaller.zip" file

```
unzip CymulateAgentInstaller.zip
Archive:  CymulateAgentInstaller.zip
  inflating: Agent.zip
  inflating: install.sh
  inflating: CymulateSettings.json
```

2. Add execution permissions to the "install.sh" file

```
chmod +x install.sh
```

3. Execute the install.sh file using sudo

```
sudo ./install.sh
```

4. During the installation process you would be required to configure the following information (if applicable):

- **Agent linking key** - When starting Cymulate Agent for the first time, you will be required to enter your Agent Linking key ([Can be retrieved from Cymulate "Agents" page](#)).
- **HTTP/HTTPS Proxy** – If you do not use a proxy server, leave this field empty. If you use a proxy, make sure the address and port information in this field match the information in your browser settings.
- **Email provider** – If you do not use an Email provider server, leave this field empty. Cymulate currently supports Microsoft Exchange server and Microsoft 365 integration.

5. Check if Agent is running

When the agent is up, the following processes should be run in the background:

```
root 19530 0.3 0.2 3058152 41984 pts/1 Tl 14:13 0:00 /usr/lib/Cymulate/Agent/CymulateAgent
```

During the installation:

1. The following folders will be created:

Linux OS:

- /usr/lib/Cymulate/Agent/
- /usr/share/Cymulate/Agent/

Mac OS:

- /Applications/Cymulate/Agent
- /Users/Shared/Cymulate

2. **Cron job will be created, responsible for starting the Agent automatically.** This task is scheduled to run in case the Agent is not running on the target workstation.

```
cymulate@Ubuntu1804:~/Cymulate$ sudo crontab -l
*/5 * * * * su root -c "/usr/lib/Cymulate/Agent/CymulateWatchDog"
```

RUNNING THE AGENT

To start the agent, run the following command "**sudo cymulate-run & disown**"

*Agent should start automatically after installation is completed.

STOPPING THE AGENT

To stop the agent process, run the following command "**sudo cymulate-kill**"

CHANGING AGENT CONFIGURATION

To change agent settings, you should first [stop Cymulate agent](#), then run the following commands:

- **Changing Agent Linking key:**
sudo cymulate-run -set https
- **Changing Email provider configuration:**
sudo cymulate-run -set smtp
- **Changing HTTP/HTTPS proxy configuration:**
sudo cymulate-run -set proxy